

**INVESTIGATION OF GENETIC AND PARAGENETIC PARAMETERS
OF MILK PRODUCTION IN SHEEP**

**M.P. Petrovi¹; Dragana Ruži -Musli¹, M.Zujovic¹, Violeta Caro Petrovic,
P.Periši²**

1Institute for Animal Husbandry, Belgrade-Zemun, 11080, Serbia

2Faculty of Agriculture, Belgrade

**Milan P. Petrovic, e-mail: milanppet@yahoo.com*

ABSTRACT

In this paper effects of major factors of genetic and paragenetic nature on milk yield of existing sheep populations are investigated. Mathematical procedures for evaluation of genetic and phenotypic parameters and anticipation of genetic values, today, are mainly based on different linear and non-linear concepts, therefore it is necessary to accept the reality that there is no absolute accuracy.

Results of the investigation have shown that there are positive and negative deviations in monitored traits depending on the population, season, order of lactation, type of birth and litter size. Considering that, sheep milk has decisive role in production of cheese. Results obtained in this research can be used as indicator for more efficient projection of improvement programmes in order to increase the production of milk and cheese.

Key words: *sheep, genetic parameters, paragenetic factors, milk production*

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